

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

*LFW*

Applicant: Heinrich Schenk  
 Serial No.: 10/799,353  
 Filed: March 12, 2004  
 Title: METHOD AND APPARATUS FOR REDUCING THE CREST FACTOR OF A SIGNAL

Examiner: Unknown  
 Group Art Unit: 2631  
 Docket No.: I2004P50220US

Commissioner for Patents  
 P.O. Box 1450  
 Alexandria, VA 22313-1450

Sir/Madam:

We are transmitting herewith the attached:

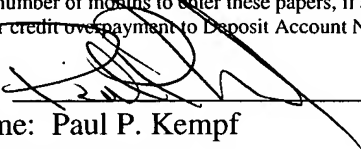
- ☒ Transmittal Sheet containing Certificate of Mailing (1 pg.).
- ☒ Preliminary Amendment (31 pgs.).
- ☒ Return Postcard.

If an additional fee is required due to changes to the claims, the fee has been calculated as follows:

CLAIMS AS AMENDED						
	(1) Claims Remaining After Amendment		(2) Highest Number Previously Paid For	(3) Present Extra	Rate	Fee
TOTAL CLAIMS	34	-	34	0	x 18.00 =	\$0.00
INDEPENDENT CLAIMS	2	-	2	0	x 86.00 =	\$0.00
[ ] MULTIPLE DEPENDENT CLAIMS PRESENTED						\$
TOTAL						\$0.00

Please consider this a PETITION FOR EXTENSION OF TIME for a sufficient number of months to enter these papers, if appropriate. At any time during the pendency of this application, please charge any additional fees or credit overpayment to Deposit Account No. 500471.

Customer No. 025281

By:   
 Name: Paul P. Kempf  
 Reg. No.: 39,727

**CERTIFICATE UNDER 37 C.F.R. 1.8:** The undersigned hereby certifies that this paper or papers, as described herein, are being deposited in the United States Postal Service, as first class mail, in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on this 21<sup>st</sup> day of June, 2004.

By:   
 Name: Paul P. Kempf



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**PRELIMINARY AMENDMENT**

Dear Sir:

This Preliminary Amendment modifies the Application filed herewith. Prior to continued examination of the application, please amend as follows:

**IN THE SPECIFICATION**

Please replace the paragraph beginning on page 1, line 2, with the following rewritten paragraph:

~~FIELD OF THE INVENTION~~

**BACKGROUND**

The present invention relates to a method and to an apparatus for reducing the crest factor (the ratio of peak to average value) of a signal, for example, a multi-carrier communication signal.

Please replace the paragraph beginning on page 1, line 8, with the following rewritten paragraph:

~~BACKGROUND OF THE INVENTION~~

In recent years multi-carrier communication systems have been widely used in particular for x DSL communication systems (Digital Subscriber Line) like ADSL (Asymmetric Digital Subscriber Line) or VDSL (Very High Speed Digital Subscriber Line). ~~Fig. 7 shows~~ Figure 1